

# Joel Howlett

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## Education:

### Bachelor of Technology - Ocean Mapping, 2011 - 2016

- Memorial University of Newfoundland, St. John's, Newfoundland and Labrador

### Diploma of Technology - Ocean Mapping, 2011-2016

- Fisheries and Marine Institute of Memorial University of Newfoundland, St. John's, Newfoundland and Labrador

## Relevant Course Work:

- Underwater Acoustics Applications
- Descriptive Oceanography
- Surveying and GPS
- Hydrography and Tides
- Instrumentation Oceanography
- Mapping and GIS
- Geophysical Remote Sensing
- Multibeam Sonar
- Field Deployment and Data Collection
- Data Processing and Visualization
- Geographic Database Management
- Side Scan Sonar

## Certifications:

- MED with respect to STCW Basic Safety, Transport Canada
- Marine Basic First Aid, Transport Canada
- Restricted Operator's Certificate (Maritime Commercial) ROC-MC
- WHMIS
- SVOP

## Technical Skills:

### Software

- ESRI ArcGIS
- CARIS HIPS/SIPS
- L-3 Klein SonarPro
- Microsoft Office Suite

### Hardware

- Kongsberg EM710 multibeam echosounder
- KLEIN 3000 Side Scan Sonar
- Knudsen 320 BR Sub Bottom Profiler
- Fugro Starfix
- MDL LiDAR
- Topcon GPS

### Programming

- C++
- Matlab

## **Work Experience:**

### **Ocean Mapping Intern**

**April 2016 – December 2016**

**Centre for Applied Ocean Technology, Holyrood, NL**

- Survey equipment to include multibeam echosounders, Global Positioning System (GPS), sound velocity profilers, survey data acquisition software, data analysis and data processing software.
- Perform data processing and other tasks as directed in an office environment when not at sea.

### **Customer Service**

**2011 – Present**

**Sobeys Deli Department, CBS, NL**

- Assist customers and ensure satisfaction with service and products throughout the store.

### **Hydrographer (work term placement)**

**Summer 2014**

**Centre for Applied Ocean Technology, Holyrood, NL**

- Survey equipment including multibeam echosounders, LiDAR, Global Positioning System (GPS), sound velocity profilers, survey data acquisition software, data analysis and data processing software.
- Perform data processing and other tasks as directed in an office environment when not at sea.

## **References:**

Randy Gillespie, Director  
Centre for Applied Ocean Technology  
Fisheries and Marine Institute of Memorial University  
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Dominique Robert, Research Scientist  
Professor and Canada Research Chair in Fisheries Ecology  
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